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EDUCATION

- Present
Sept. 2019 **Ph.D Candidate in Computer Science**
Interactive Data Group, State Key Lab of CAD&CG
Zhejiang University
Supervisor: Prof. Yingcai Wu
- June 2019
Sept. 2014 **B.Eng. in Digital Media Technonology**
College of Computer Science and Technology
Zhejiang University

Hangzhou, China

Hangzhou, China

RESEARCH & WORKING EXPERIENCE

- June 2022
Feb. 2022 **Research Intern, Software Engineer**
JD Intelligent Cities Research, Jing Dong Technology
Work on visual analytics for urban computing, especially on intelligent transportation and disease control. Supervised by Dr. Jie Bao and Prof. Yu Zheng.
- Dec. 2021
Sept. 2019 **Research Intern**
IDEA Lab, Alibaba-Zhejiang University Joint Research Institute of Frontier Technology
Supervised by Prof. Yingcai Wu.
- Dec. 2021
Sept. 2020 **Research Intern**
Cainiao Smart Logistics, Alibaba Group
Work on visual analytics for smart logistics, especially on order processing monitoring and optimization.
- Sept. 2020
Nov. 2019 **Research Intern**
Alibaba DAMO Academy for Discovery, Adventure, Momentum and Outlook, Alibaba Group
Work on visualization technique and theory for intelligent data video generation.

Beijing, China

Hangzhou, China

Hangzhou, China

Hangzhou, China

PUBLICATIONS

Asterisk* indicates equal contribution.

- SmartShots: An Optimization Approach for Generating Videos with Data Visualizations Embedded

Tan Tang, **Junxiu Tang**, Jiewen Lai, Lu Ying, Yingcai Wu, Lingyun Yu, Peiran Ren
ACM Transactions on Interactive Intelligent Systems. 2022. DOI: 10.1145/3484506.

- A Visualization Approach for Monitoring Order Processing in E-Commerce Warehouse

Junxiu Tang, Yuhua Zhou, Tan Tang, Di Weng, Boyang Xie, Lingyun Yu, Huaqiang Zhang, Yingcai Wu
IEEE Transactions on Visualization and Computer Graphics. 2022. (Proceedings of VIS' 21) DOI: 10.1109/TVCG.2021.3114878.

- Nebula: A Coordinating Grammar of Graphics

Ran Chen, Xinhuan Shu, Jiahui Chen, Di Weng, **Junxiu Tang**, Siwei Fu, Yingcai Wu
IEEE Transactions on Visualization and Computer Graphics. 2022. DOI: 10.1109/TVCG.2021.3076222.

- What Makes a Data-GIF Understandable?

Xinhuan Shu, Aoyu Wu, **Junxiu Tang**, Benjamin Bach, Yingcai Wu, Huamin Qu
IEEE Transactions on Visualization and Computer Graphics. 2022. (Proceedings of VIS' 20) DOI: 10.1109/TVCG.2020.3030396.

- Explore Mindfulness without Deflection: A Data Art Based on the Books of Songs

Yifang Wang, Yang Wang, Yifan Cao, Huamin Qu, **Junxiu Tang**, Yingcai Wu
IEEE VIS Art Program (Pictorial). 2021. DOI: 10.1109/VISAP52981.2021.00014.

- Examining Interaction Techniques in Data Visualization Authoring Tools from the Perspective of Goals and Human Cognition: A Survey

Sadia Rubab, **Junxiu Tang**, Yingcai Wu
Journal of Visualization. 2021. DOI: 10.1007/s12650-020-00705-3.

- Narrative Transitions in Data Videos

Junxiu Tang, Lingyun Yu, Tan Tang, Xinhuan Shu, Lu Ying, Yuhua Zhou, Peiran Ren, Yingcai Wu
IEEE VIS Short Paper. 2020. (Proceedings of VIS' 20) DOI: 10.1109/VIS47514.2020.00037.

- SmartShots: Enabling Automatic Generation of Videos with Data Visualizations Embedded

Tan Tang*, **Junxiu Tang***, Jiewen Lai, Lu Ying, Peiran Ren, Lingyun Yu, Yingcai Wu
ACM MM Abstract. 2022. (Proceedings of MM' 20.) DOI: 10.1145/3394171.3414356.

- Design Guidelines for Augmenting Short-form Videos using Animated Data Visualizations

Tan Tang, **Junxiu Tang**, Jiayi Hong, Lingyun Yu, Peiran Ren, Yingcai Wu
Journal of Visualization. 2020. (China Vis' 19) DOI: 10.1007/s12650-020-00644-z.

- Toward the Better Modeling and Visualization of Uncertainty for Streaming Data

Tan Tang, Kaijuan Yuan, **Junxiu Tang**, Yingcai Wu
Journal of Visualization. 2018. (China Vis' 18) DOI: 10.1007/s12650-018-0518-y.

TEACHING

- Winter 2022 *Teaching Assistant*, Event Sequence Visualization, Cross Media Visualization, ZJU
Teaching Assistant, Event Sequence Visualization, Information Visualization, ZJU
- Summer 2021 *Coordinator, Teaching Assistant*, International Visualization Summer School, ZJU
- Winter 2020 *Coordinator, Teaching Assistant*, Cross Media Visualization, ZJU
- Winter 2020 *Coordinator, Teaching Assistant*, Information Visualization, ZJU
- Summer 2020 *Teaching Assistant*, International Visualization Summer School, ZJU
- Summer 2019 *Teaching Assistant*, International Visualization Summer School, ZJU

SERVICE

- Review IEEE VIS Conference, 2022
China Vis 2022

TALK

- Oct. 2021 A Visualization Approach for Monitoring Order Processing in E-Commerce Warehouse
IEEE VIS Conference, Virtual
- Oct. 2020 Narrative Transitions in Data Videos
IEEE VIS Conference, Virtual
- July. 2019 Design Guidelines for Augmenting Short-form Videos using Animated Data Visualizations
China Vis, Chengdu, China
- July. 2018 Toward the Better Modeling and Visualization of Uncertainty for Streaming Data
China Vis, Shanghai, China
A Gear-storyline of Inception
China Vis Art Exhibition, Shanghai, China

SKILL

- Programming TypeScript, JavaScript, Python, C/C++
- Web Devs React, Vue, D3
- Design Tools Adobe Illustrator, Photoshop, Premiere, After Effects, InDesign, Axure
- Language Chinese Mandarin (native), English (professional working proficiency)